ROCKY TALKIE

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- Change privacy code with flipper. Double
  press power button to save changes.

CHARGING PORT
Micro USB Charger Included

DISPLAY SCREEN

ICON	FUNCTION DESCRIPTION
CT	Privacy code active (Analog)
DCS	Privacy code active (Digital)
CH	Channel
VOL	Volume
188	Channel number
BUSY	Busy channel lockout
🔋	Battery indication
🔒	Keyboard lock active
▰▰▱▱▱	Low transmission power (.5W)
▰▰▰▰▰	High transmission power (2W)

TECHNICAL SPECS

Radio Service	FRS (no license required)
Channels	128
Privacy Codes	121
Range	Peak to Peak: 25+ miles Forest: Up to 5 miles City: Up to 1 miles
Power	2 Watt
Battery Type	Rechargeable 1550 mAh Li-ion
Radio Dimensions	16.2 x 5.9 x 2.7 cm
Weight	Radio Only: 4.8 oz Full System: 7.9 oz
Operating Temperature	0° to 120° Fahrenheit
Waterproofing	IP54 (Rainproof / Snowproof, not submergible)

FREQUENTLY ASKED QUESTIONS

WHAT MAKES THE ROCKY TALKIE DIFFERENT FROM OTHER RADIOS?

The Rocky Talkie is designed for athletes to push their limits in the outdoors. Unlike the fragile plastic belt clips of other radios, our radio easily secures to backpacks and harnesses using an ultra-light CAMP carabiner. For extreme terrain, a back-up leash is included to prevent drops. We find that this system is the difference between actively using the radio and keeping it in a backpack for emergencies.

In addition to the convenience offered, the Rocky Talkie includes a shatterproof LED screen (no-glass) and a thermoplastic covering to protect the electronics. The radio is ready to use out of the box and requires zero configuration. The electronics are simple and reliable - we cut out all of the superfluous radio features that kill battery life. The radio has 5 buttons that are easy to understand and still support the critical advanced features (such as privacy codes to prevent outside interference).

WHAT IS THE USABLE RANGE OF A ROCKY TALKIE?

As with any two-way radio, the range is highly dependent on the environment you are in. We did our maximum range testing in the open plains of Wyoming, where the radios had a range of greater than 25 miles while maintaining line of site. In an environment with more hills and mountains, the range would be significantly reduced because the radio waves cannot penetrate large bodies of earth. You can expect to get a range of around 3-5 miles in these type of environments. The toughest environments for radio communication are cities and urban centers where large buildings block signal and the air is filled with other radio waves causing static noise. In these environments, expect to get up to 1 mile of range, and on average

penetrate 10 floors of a building. All distances listed above are tested with the radio's high power mode (2 watts). The low power mode (0.5 watts) will slightly reduce maximum range, but increase battery life.

WHAT IS THE BATTERY LIFE OF A ROCKY TALKIE?

The Rocky Talkie has a rechargeable Lithium-ion battery with a capacity of 1550 mAhrs. Battery life is dependent on how frequently the radios send and receive signals. With normal usage, the battery can be expected to last 3-5 days (assuming the radio is used 8hrs/day). The battery will last over 100hrs when in standby mode (the radio is on but not transmitting). The battery life was tested in high power mode (2 Watts), so you can expect a longer battery life on low power mode (.5 Watt).

CAN I USE MY ROCKY TALKIE WITH OTHER RADIOS?

Yes, the Rocky Talkie is compatible with other FRS radios, and the first 22 channels will have matching frequencies. However, the Rocky Talkie channels come preset with a privacy code activated. The simplest way to communicate with other brands of radios is to match the channel number on both radios, and then turn off the privacy codes (sometimes called sub-channels) on both radios.

If you purchased your Rocky Talkie prior to January 18, 2020, please see the privacy code table in the user manual (Page 16) to communicate with other radios with privacy codes turned on. For example, in the table you can see that a Motorola radio set to channel 5 privacy code 32 will match a Rocky Talkie set to channel 5 privacy code 41. The privacy codes for Rocky Talkies purchased after January 18, 2020 will match other common radios by default.

HOW WILL COLD WEATHER EFFECT MY ROCKY TALKIE?

Rocky Talkies were designed to operate in harsh conditions. They have been thoroughly tested and can be reliably used down to 0˚F without significant loss in battery life. All Lithium-ion batteries experience reduced life in cold weather, and temperatures below 0˚F can have significant effects on battery life.

WHAT SPORTS ARE THE RADIOS RECOMMENDED FOR?

Rocky Talkies were specifically designed for climbers, skiers, and hikers, however they are recommended for any activity where close team communication is critical. Rocky Talkie users have put the radios to good use from mountain biking and adventure photography to base jumping, and more.

IS THE RADIO WATERPROOF?

The Rocky Talkie is rated IP54. In practical terms this means the Rocky Talkie is protected from rain, splashes, and snow. However it is not fully waterproof, and should not be fully submerged in water.

HOW CAN I CHANGE BETWEEN HIGH AND LOW POWER?

High power mode uses 2 Watts and low power mode uses 0.5 Watts. You can tell if you are on high power or low power by how many bars light up while transmitting. There are two signal bars for low power and five for high power. To switch between the two, hold down the Volume + button for 2 seconds.

WHAT IS THE WARRANTY POLICY FOR ROCKY TALKIES?

The Rocky Talkie is backed by a 2 year warranty.

CAN I USE A DIFFERENT CHARGER TO CHARGE MY RADIO?

We recommend using the charger that comes included with the Rocky Talkie.

HOW LONG DOES IT TAKE TO CHARGE A ROCKY TALKIE?

To fully charge a Rocky Talkie from 0% to 100% battery it takes around 5 hours. When charging with the provided charging cable, a red light indicates the radio is charging, and a green light indicates the radio is fully charged.

HOW MANY ROCKY TALKIES CAN I USE TOGETHER?

There is no limit to how many Rocky Talkies can be set on the same channel. Keep in mind that only one radio can transmit on a given channel at one time.

CAN I PURCHASE ROCKY TALKIES OUTSIDE OF THE U.S?

At this time, Rocky Talkies are only approved for sale in the U.S.

I AM AN ASTRONAUT, WILL MY ROCKY TALKIE WORK IN OUTER SPACE?

The rocky talkie has not been tested in zero gravity but the range in outer-space is going to be great.

ARE THE ACCESSORIES SAFE TO CLIMB WITH?

The leash and its connecting clips should not be used for anything but attaching to your Rocky Talkie. The small clips that come with the leash are not intended for climbing or other weight bearing activities.

The CAMP Nano 22 carabiner that comes included with the Rocky Talkie is a full strength rock climbing carabiner.

DO I NEED A LICENSE TO USE ROCKY TALKIES?

The Rocky Talkie operates on FRS license-free frequencies and no license is necessary.

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WHAT FREQUENCIES DOES THE ROCKY TALKIE TRANSMIT AND RECEIVE?

The radios transmit on FRS license free frequencies which range from 462 to 467 MHz. These frequencies are part of the Ultra High Frequency band (UHF). See the user manual for the list of frequencies each channel uses.

MY RADIO IS ON BUT WON'T TRANSMIT?

Check the battery life of the radio (single press the power button). If the radio is below 10% battery life, the battery is too low to transmit and can only receive signals.

If the battery is not low, double check that the radio you are trying to talk with is on the same channel. Next, make sure the radio you are trying to transmit with is on the same privacy code. You will see CT lit up if privacy codes are activated, and can check the number of privacy code by double clicking the power button.

DOES THE RADIO HAVE HANDS FREE MODE?

No - our team determined that the performance of hands free mode is not reliable enough for the tough environments in which the radio is used.

HOW CAN I CHECK MY BATTERY LIFE?

Battery life can be checked when the radio is on by pressing the power button once.

CHANNEL SETTINGS

CHANNEL	FREQUENCY (MHZ)	POWER
1	462.5625	2 watt
2	462.5875	2 watt
3	462.6125	2 watt
4	462.6375	2 watt
5	462.6625	2 watt
6	462.6875	2 watt
7	462.7125	2 watt
8	467.5625	0.5 watt
9	467.5875	0.5 watt
10	467.6125	0.5 watt
11	467.6375	0.5 watt
12	467.6625	0.5 watt
13	467.6875	0.5 watt
14	467.7125	0.5 watt
15	462.5500	2 watt
16	462.5750	2 watt
17	462.6000	2 watt
18	462.6250	2 watt
19	462.6500	2 watt
20	462.6750	2 watt
21	462.7000	2 watt
22	462.7250	2 watt
23	462.5625	2 watt
24	462.5875	2 watt
25	462.6125	2 watt
26	462.6375	2 watt
27	462.6625	2 watt
28	462.6875	2 watt
29	462.7125	2 watt
30	467.5625	0.5 watt
31	467.5875	0.5 watt
32	467.6125	0.5 watt
33	467.6375	0.5 watt
34	467.6625	0.5 watt
35	467.6875	0.5 watt
36	467.7125	0.5 watt
37	462.5500	2 watt
38	462.5750	2 watt
39	462.6000	2 watt
40	462.6250	2 watt
41	462.6500	2 watt
42	462.6750	2 watt
43	462.7000	2 watt

44	462.7250	2 watt
45	462.5625	2 watt
46	462.5875	2 watt
47	462.6125	2 watt
48	462.6375	2 watt
49	462.6625	2 watt
50	462.6875	2 watt
51	462.7125	2 watt
52	467.5625	0.5 watt
53	467.5875	0.5 watt
54	467.6125	0.5 watt
55	467.6375	0.5 watt
56	467.6625	0.5 watt
57	467.6875	0.5 watt
58	467.7125	0.5 watt
59	462.5500	2 watt
60	462.5750	2 watt
61	462.6000	2 watt
62	462.6250	2 watt
63	462.6500	2 watt
64	462.6750	2 watt
65	462.7000	2 watt
66	462.7250	2 watt

67	462.5625	2 watt
68	462.5875	2 watt
69	462.6125	2 watt
70	462.6375	2 watt
71	462.6625	2 watt
72	462.6875	2 watt
73	462.7125	2 watt
74	467.5625	0.5 watt
75	467.5875	0.5 watt
76	467.6125	0.5 watt
77	467.6375	0.5 watt
78	467.6625	0.5 watt
79	467.6875	0.5 watt
80	467.7125	0.5 watt
81	462.5500	2 watt
82	462.5750	2 watt
83	462.6000	2 watt
84	462.6250	2 watt
85	462.6500	2 watt
86	462.6750	2 watt
87	462.7000	2 watt
88	462.7250	2 watt
89	462.5625	2 watt

90	462.5875	2 watt
91	462.6125	2 watt
92	462.6375	2 watt
93	462.6625	2 watt
94	462.6875	2 watt
95	462.7125	2 watt
96	467.5625	0.5 watt
97	467.5875	0.5 watt
98	467.6125	0.5 watt
99	467.6375	0.5 watt
100	467.6625	0.5 watt
101	467.6875	0.5 watt
102	467.7125	0.5 watt
103	462.5500	2 watt
104	462.5750	2 watt
105	462.6000	2 watt
106	462.6250	2 watt
107	462.6500	2 watt
108	462.6750	2 watt
109	462.7000	2 watt
110	462.7250	2 watt
111	462.5625	2 watt
112	462.5875	2 watt

113	462.6125	2 watt
114	462.6375	2 watt
115	462.6625	2 watt
116	462.6875	2 watt
117	462.7125	2 watt
118	467.5625	0.5 watt
119	467.5875	0.5 watt
120	467.6125	0.5 watt
121	467.6375	0.5 watt
122	467.6625	0.5 watt
123	467.6875	0.5 watt
124	467.7125	0.5 watt
125	462.5500	2 watt
126	462.5750	2 watt
127	462.6000	2 watt
128	462.6250	2 watt

LEGACY PRIVACY CODE MAPPING

If you purchased your Rocky Talkie prior to January 18th, 2020, your radio will have more privacy codes than other common radios. For matching your privacy code to other radios and later versions of the Rocky Talkie, please use the mapping table below. All privacy codes for Rocky Talkies sold after January 18th, 2020 match other common radios.

ROCKY TALKIE CT CODE (PRE-JAN 18, 2020)	BCA / MOTOROLA / ROCKY TALKIE CT CODE (POST-JAN 18, 2020)	CTCSS FREQUENCY (HZ)
Off	Off	0.0
1	1	67.0
2		69.3
3	2	71.9
4	3	74.4
5	4	77
6	5	79.7
7	6	82.5
8	7	85.4
9	8	88.5
10	9	91.5
11	10	94.8
12	11	97.4
13	12	100
14	13	103.5
15	14	107.2
16	15	110.9
17	16	114.8
18	17	118.8
19	18	123
20	19	127.3
21	20	131.8
22	21	136.5
23	22	141.3
24	23	146.2
25	24	151.4
26	25	156.7
27		159.8
28	26	162.2
29		165.5
30	27	167.9
31		171.3
32	28	173.8
33		177.3
34	29	179.9
35		183.5

36	30	186.2
37		189.9
38	31	192.8
39		196.6
40		199.5
41	32	203.5
42		206.5
43	33	210.7
44	34	218.1
45	35	225.7
46		229.1
47	36	233.6
48	37	241.8
49	38	250.3
50		254.1

ROCKY TALKIE DCS CODE (PRE-JAN 18, 2020) (N)	BCA / MOTOROLA / ROCKY TALKIE CT CODE (POST-JAN 18, 2020) (N)	(OCTAL)
1	39	23
2	40	25
3	41	26
4	42	31
5	43	32
6		36
7	44	43
8	45	47
9	46	51
10		53
11	47	54
12	48	65
13	49	71
14	50	72
15	51	73
16	52	74
17	53	114
18	54	115
19	55	116

20		122
21	56	125
22	57	131
23	58	132
24	59	134
25	60	143
26		145
27	61	152
28	62	155
29	63	156
30	64	162
31	65	165
32	66	172
33	67	174
34	68	205
35		212
36	69	223
37		225
38	70	226
39	71	243
40	72	244
41	73	245
42		246

43	74	251
44		252
45		255
46	75	261
47	76	263
48	77	265
49		266
50	78	271
51		274
52	79	306
53	80	311
54	81	315
55		325
56	82	331
57		332
58	83	343
59	84	346
60	85	351
61		356
62	86	364
63	87	365
64	88	371
65	89	411

66	90	412
67	91	413
68	92	423
69	93	431
70	94	432
71	95	445
72	96	446
73		452
74		454
75		455
76		462
77		464
78	97	465
79	98	466
80	99	503
81	100	506
82	101	516
83		523
84		526
85	102	532
86	103	546
87	104	565
88	105	606

89	106	612
90	107	624
91	108	627
92	109	631
93	110	632
94		645
95	111	654
96	112	662
97	113	664
98	114	703
99	115	712
100	116	723
101	117	731
102	118	732
103	119	734
104	120	743
105	121	754

FCC REGULATION, FCC ID

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. SAR tests are conducted using standard operating positions accepted by the FCC/ISEDC with the device transmitting at its highest certified power level in all tested frequency bands, although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. Before a new model is a available for sale to the public, it must be tested and certified to the FCC/ISEDC that it does not exceed the exposure limit established by the FCC/ISEDC. Tests for each product are performed in positions and locations as required by the FCC/ISEDC.

For body worn operation, this device has been tested and meets the FCC/ISEDC RF exposure guidelines when used with an accessory designated for this product when used with an accessory that Contains no metal.

To maintain compliance with the FCC/ISEDC's RF exposure guidelines, hold the transmitter and antenna at least 1 inch(2.5 centimeters) for your face and speak in a normal voice, with the antenna pointed up and away from the face. This equipment complies with FCC/ISDC radiation exposure limits set forth for an uncontrolled environment. In order to comply with the FCC/ISEDC RF exposure requirements, the antenna installation must comply with following: Users must be fully aware of the hazards of the exposure and able to exercise control over their FC exposure to qualify for the higher exposure limits.

Your wireless hand-held portable transceiver contains a low power transmitter. This product sends out radio frequency(RF) signals when the Push-to-Talk(PTT)button is pressed.

The device is authorized to operate at a duty factor not to exceed 50%.

The device complies with ISEDC license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent areil est conforme aux CNR d'ISEDC licables aux areils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:
(1) l'areil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi,